Montana Board of Oil and Gas Conservation Environmental Assessment

Operator: Kykuit Resources, LLC
Well Name/Number: Knox #7B-21-20
Location: SW NE Section 7 T21N R20E
County: Fergus , MT; Field (or Wildcat) Wildcat
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Air Quality
(possible concerns)
Long drilling time: No. 2 to 3 days drilling time.
Unusually deep drilling (high horsepower rig): No, small single derrick drilling rig TD 2200'.
Possible H2S gas production: None anticipated.
In/near Class I air quality area: Not in a Class I air quality area. Air quality permit for floring/yenting (if productive): Vec. DEO air quality permit required under
Air quality permit for flaring/venting (if productive): <u>Yes, DEQ air quality permit required under</u> 75-2-211.
<u>13-2-211.</u>
Mitigation:
_X Air quality permit (AQB review)
Gas plants/pipelines available for sour gas
Special equipment/procedures requirements
Other:
Comments: No, small single drilling rig TD 2200'. No concerns.
Water Quality
Water Quality (possible concerns)
(possible concerns)
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(possible concerns)

Steam crossings: No, streams to be crossed, only ephemeral drainages.
High erosion potential: No, moderate cut up to 13.5' and no fill up to 0.0', required.
Loss of soil productivity: No, location will be restored after drilling, if nonproductive. If
productive unused portion of drillsite will be reclaimed.
Unusually large wellsite: No, small drillsite, 200'X200'.
Damage to improvements: None, surface use is grasslands adjacent to cultivated land.
Conflict with existing land use/values: Slight Strip in the Strip is a strip in the strip in the strip in the strip is a strip in the s
Mitigation
Avoid improvements (topographic tolerance)
Exception location requested
X Stockpile topsoil
Stream Crossing Permit (other agency review)
X Reclaim unused part of wellsite if productive
Special construction methods to enhance reclamation
Other
Comments: Will utilize existing county, D-Y Trail and ranch trails. Short access off existing
ranch trail to be build, about ¼ of a mile of new access will be built into this location. Unlined
earthen pits will be utilized for drilling. Drilling fluids will used to seal surface owners stock
pond. Solids will be allowed to dry in the pits. When pits are dry they will be filled in with
subsoil and topsoil spread.
Health Hazards/Noise
Health Hazards/Noise
(possible concerns)
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Proximity to public facilities/residences: <u>Closest residences are about ¼ of a mile to the east.</u> The town of Winifred, about 9 miles to the southwest of this location.
Possibility of H2S: No, none anticipated.
Size of rig/length of drilling time: <u>Small single derrick drilling rig/Short drilling time 2 to 3 days</u> Mitigation:
_X Proper BOP equipment
Topographic sound barriers
H2S contingency and/or evacuation plan
Special equipment/procedures requirements
Other:
Comments: Adequate amount of surface casing and BOP equipment should mitigate
any problems.
Wildlife/recreation
(possible concerns)
Proximity to sensitive wildlife areas (DFWP identified): None identified.
Proximity to sensitive whitine areas (Dr Wr Identified). None identified.
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Creation of new access to wildlife habitat: None
Conflict with game range/refuge management: None
Threatened or endangered Species: Threatened or endangered species identified are the Pallid
Sturgeon and Black-Footed Ferret. Species of concern is the Greater Sage Grouse.
Mitigation:
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Avoidance (topographic tolerance/exception)
_ Avoidance (topographic tolerance/exception)_ Other agency review (DFWP, federal agencies, DSL)
Avoidance (topographic tolerance/exception)

X Other: _Windy Davis closest Leck is 1 mile or further away from this drillsite.
Comments: Private surface lands. Drilling and completion activity will be short term. Surface owner controls access into and out of this location. Location is adjacent to cultivated
lands on 2 sides, west and south of this location on a small grass patch.
Historical/Cultural/Paleontological (possible concerns)
Proximity to known sites None identified
Mitigation avoidance (topographic tolerance, location exception)
other agency review (SHPO, DSL, federal agencies)
Other: Comments: <u>Surface land is private. No concerns.</u>
Social/Economic (possible concerns)
(possible concerns) Substantial effect on tax base
Create demand for new governmental services
Population increase or relocation Comments: No, impact expected from the drilling of this well.
Comments. 100, impact expected from the drining of this wen.
Remarks or Special Concerns for this site
No special concerns about this wellsite. This is a Colorado Formation test to be drilled to 2200' TD.
Summary: Evaluation of Impacts and Cumulative effects
No significant or long term impacts expected from the drilling of this well. Some short term impacts will occur.
I conclude that the approval of the subject Notice of Intent to Drill (does/ <u>does not</u>) constitute a major action of state government significantly affecting the quality of the human environment, and (does/ <u>does not</u>) require the preparation of an environmental impact statement.
Prepared by (BOGC): /s/ Steven Sasaki
(title:) Chief Field Inspector
Date: May 26, 2010
Other Persons Contacted:

Montana Bureau of Mines and Geology, GWIC website
(Name and Agency)
Fergus County water wells
(subject discussed)
May 21, 2010
(date)
US Fish and Wildlife, Region 6 website
(Name and Agency)
ENDANGERED, THREATENED, PROPOSED AND CANDIDATE SPECIES MONTANA
COUNTIES, Fergus County
(subject discussed)
_May 21, 2010
(date)
Ms. Windy Davis, Montana FWP
(Name and Agency)
Greater Sage Grouse Lecks in Fergus County, Montana
(subject discussed)
_May 21, 2010
(date)
TC1
If location was inspected before permit approval:
Inspection date:
Inspector:
Others present during inspection: